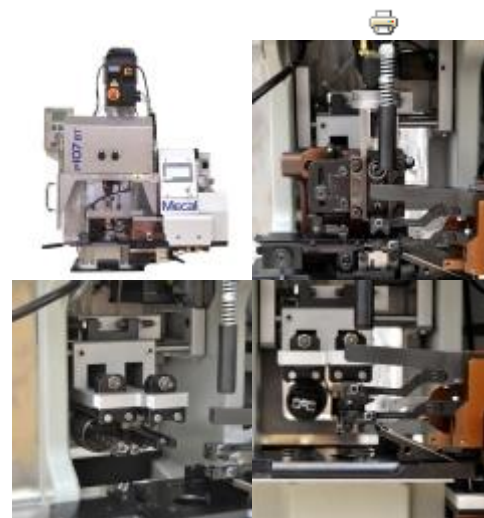


FAKRA Inner



[Zoom image](#)



Description

The FAKRA Inner is the second phase in the Mecal process for crimping FAKRA wires. The equipment includes a PSCM107Cand, an MRS applicator and a SCR20.

PSCM107C

Compared to the standard machine, this PSCM107C has been modified to enable operation in combination with the SCR20 unit. It operates exclusively in line with the crimping axis and the control panel includes a number of functions dedicated to this type of application. The PSCM intervenes to perform the end machining of the wire (ZERO CUT) and the stripping of the dielectric. It is possible to exclude parts of operation or completely exclude the SCR20 unit. As a result, it can be adapted as a standard machine for other types of applications. The clamp unit was designed to achieve greater clamp strength and axial alignment of the wire. The press also includes the TT1000 Crimp Force Analyzer.

MRS

Left- side feed Restyling Mini Applicator with mechanical terminal feeding. Special locking of the inner terminal on the clamping area.

OPERATING CYCLE

The operating cycle begins by activating a position sensor and includes the following operating steps:

Technical Specifications

| | |
|----------------------|---------------------------------------|
| ID | FAKRA Inner |
| CODE | BG220000010014-B 201000037 (SCR20) |
| AIR PRESSURE | 5 - 7 BAR |
| DIMENSIONS mm | W840xH880xD460 |
| DIMENSIONS (") | W33"xH34,65"xD18,11" |
| WEIGHT | 100 kg (220 lb) |
| POWER | 0.55KW (0.75HP) monophasic |
| POWER SUPPLY | 220V 50~60Hz |
| WIRE SECTION | RG174, RTK031, RG58/59 |
| MAX STRIPPING LENGTH | 12mm (0,47") |
| END MACHINING LENGTH | max 3mm (max 0.12") |
| CYCLE TIME | approx 9,3 sec |

Coaxial wire locking in the clamping unit

Movement of the positioning sensor unit, freeing the operating area

Movement of the blade stripping unit, freeing the operating area

End machining of wire

Opening the stripping blades

Positioning of the stripping blades to 2.8 mm (*default setting, setting from the panel*) from the end of the wire

Closure of the stripping blades, as panel setting, and dielectric incision of the wire

Release of 0.2mm stripping blade (*default setting, setting from the panel*)

Removal of dielectric scraps and suctioning into rear tank

Movement of the stripping unit

Crimping of inner contact on wire